Date: 10/8/98 1:24 PM

Subject: Weekly Waterfowl Count-10/7/98

I'll try to keep everyone updated on E-mail. Let me know if this is ok, or would you rather have a piece of paper with the numbers?

Bill

Waterfowl Estimates for Sand Lake NWR-10/7/98

Canada Geese - 3500

- -some small geese have moved in
- -some geese using fields on Hanson's Pt.; some on fields by diagonals

Ducks - 50,000

- -some pretty big flocks of shovelers moved in
- -some scaup moved in

Snows - 0

Swans - 10

North Dakota Refuges

DesLacs - 20,000 snows

J. Clark Salyer - 25,000 - 30,000 snows

Upper Souris - 11,000 snows

Devil's Lake - <10,000 snows

Date: 10/15/98 7:45 AM

Subject: Weekly Waterfowl Count-10/14/98

Waterfowl Estimates for Sand Lake NWR-10/14/98

Canada Geese - 4000

Ducks - 50,000 - 70,000 - small increase in mallards - still alot of shovelers

Snows - 200

Swans - 25

North Dakota Refuges

Des Lacs - 10,000

J. Clark Salyer - approx. 20,000

Upper Souris - 5000

Devil's Lake - > 10,000

Generally speaking, numbers of snows at Des Lacs, J. Clark Salyer, and Upper Souris dropped from last week. Devil's Lake felt they had a few more than last week.

i. 1115.ju

Date: 10/21/98 3:29 PM

Subject: Weekly Waterfowl Estimates - 10/21/98

Waterfowl Estimates for Sand Lake NWR - 10/21/98

Canada Geese - 3000

Ducks - 60,000

-ducks have probably spread out to surrounding wetlands after 3.5 inches of rain on 10/16 - 10/17

8 101 pt

Snows - 200

Swans - 25

North Dakota Refuges

DesLacs NWR - 20,000 snows

J. Clark Salyer NWR - 35,000 - 40,000 snows

Upper Souris NWR - 25,000 - 30,000 snows

Devil's Lake WMD - 15,000 - 20,000 snows

Generally speaking, the ND stations have very few snow geese yet. In talking to hunters, it sounds like they are still quite aways up into Canada yet.

Date: 10/28/98 12:38 PM

Subject: Sand Lake NWR Weekly Waterfowl Estimate-10/28/98

Waterfowl Estimates for Sand Lake NWR - 10/28/98

Canada Geese - 4200

Snow Geese - 8000

-biggest flock is about 1 mile south of Highway 10-most of these geese moved in today. There is another smaller flock near the north end of the refuge.

- - - - J-

Ducks - 65,000

-still many shovelers using the refuge; an increase in canvasbacks, redheads, and gadwalls. Many ducks using wetlands in harvested fields surrounding the refuge.

Swans - 75

North Dakota Refuges

DesLacs NWR - 50,000 snows

J. Clark Salyer NWR - 50,000 snows

Upper Souris NWR - 45,000 snows

Devil's Lake WMD - significant numbers of snow geese moving into the Lake Alice area today.

Date: 11/4/98 4:20 PM

Subject: Sand Lake NWR Weekly Waterfowl Estimate-11/4/98

Waterfowl Estimates for Sand Lake NWR - 11/4/98 (Aerial Survey)

Canada Geese - 4800

Snow Geese - 28,000

-most located south of Highway 10. Most of these birds moved in on 11/1 & 11/2.

- 125 pt

Ducks - 85,000

-more mallards, lesser scaup, and canvasbacks. Many ducks in the area are still on smaller wetlands surrounding the refuge.

Swans - 100

-most are in Mud Lake

In addition to the refuge, we flew the river immediately north of the refuge, and the area east and southeast of Sand Lake, into western Marshall County. Snow goose numbers observed are as follows:

Dakota Lakes - 1000

SE of Hecla - 10,000

Newport Lake - 16,000

N of Putney Slough - 2300

Putney Slough - 36,000

S of Putney Slough - 6000

NE of Aberdeen - 600

General observations: There is a tremendous amount of water in the area. All small wetlands are still open and holding many ducks. That may change in the next few days, as temperatures are supposed to drop into the teens the next few nights. There are many mallards on Putney Slough.

North Dakota Refuges

DesLacs NWR - 110,000 snows -many moved in recently

J. Clark Salyer NWR - <50,000 snows

Upper Souris NWR - 45,000-50,000 snows

Date: 11/12/98 11:13 AM

Subject: Sand Lake NWR Weekly Waterfowl Estimate-11/11/98

Waterfowl Estimates for Sand Lake NWR - 11/11/98 (Aerial Survey)

Canada Geese - 2250

Snow Geese - 0

Ducks - 20,000

Swans - 0

It looks like the storm on Tuesday(11/10) pushed most of the snow geese and ducks out of the area. Sand Lake NWR received 8.5 inches of snow, along with strong northwest winds. The lakes and wetlands on the refuge and in the area are mostly frozen over, except for small open pockets of water. Besides the refuge, I flew the area north, east and southeast of the refuge. I observed less that 100 snow geese during the entire flight. There were small flocks of Canada geese and ducks on the river south of the refuge, Dakota Lakes(ND), Hyatt Slough(ND), Renziehausen Slough, Newport Lake(south of Amherst), and Putney Slough.

North Dakota Refuges (11/10/98)

DesLacs NWR - peaked at about 250,000 snow geese on 11/5

- -received 11 inches of snow on 11/9
- -many snow geese flying over during the storm
- J. Clark Salyer NWR peaked at approx. 200,000 on 11/6
 - -received 12 inches of snow
 - -appears the snow geese are leaving

Upper Souris NWR - snow goose numbers increased over the weekend

- -received 10-12 inches of snow
- -snow geese leaving

Devil's Lake WMD - snow geese feeding heavy on 11/9

-received 4-6 inches of snow so far